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Strobl et al.

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(54) **DEVICE TRIGGER DAMPENING MECHANISM**

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See application file for complete search history.

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(57) **ABSTRACT**

In various embodiments, a surgical instrument comprising a handle assembly, a shaft assembly, and an end effector are disclosed. In one embodiment, the handle assembly comprises a closure trigger and a yoke coupled to the closure trigger. Actuation of the closure trigger drives the yoke longitudinally in a first direction. A closure spring is coupled to the yoke. Longitudinal movement of the yoke in the first direction compresses the closure spring. A directional return stroke damper is coupled to the yoke. The directional return stroke damper is configured to provide a dampening force to longitudinal movement of the yoke in a second direction. A shaft assembly comprising a proximal end and a distal end is coupled to the handle. An end effector comprising a first jaw member and a second jaw member is coupled to the distal end of the shaft assembly.

7 Claims, 40 Drawing Sheets